

# **The Autonomous Treatment Centre**

## **a model for integrated PHC/TB/HIV/AIDS Care**



**Dr. Hugo Tempelman**

[tempelman@ndlovumc.org](mailto:tempelman@ndlovumc.org)

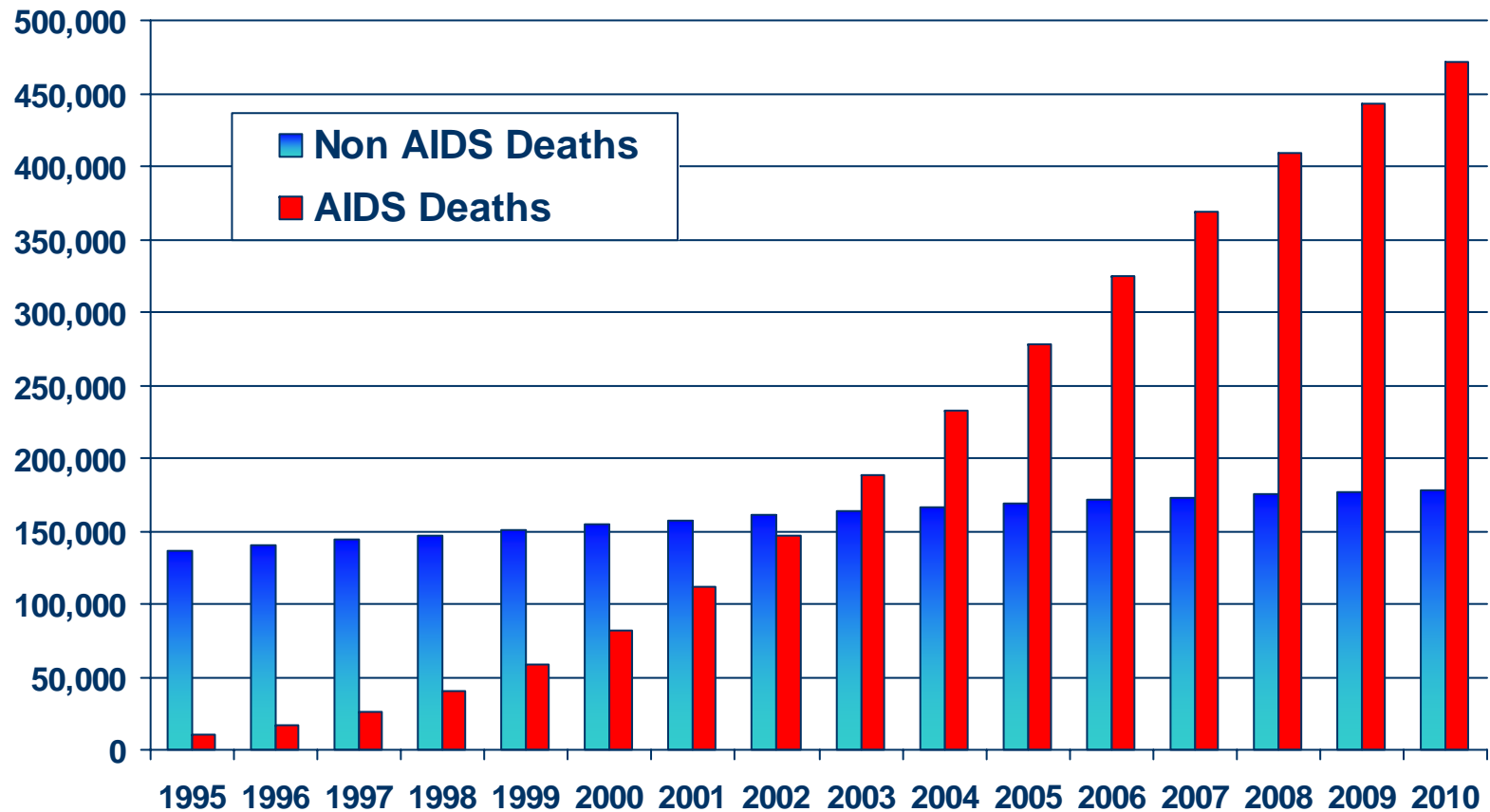
Elandsdoorn, Moutse  
South Africa



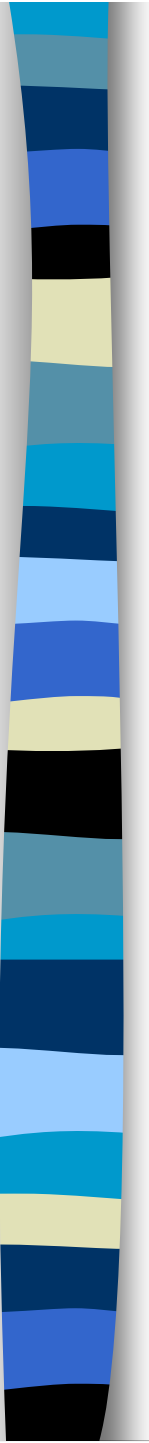
February 2006

Ndlovu Medical Trust the ATC  
Concept

# Statistics South Africa



- 





# Ndlovu Aids Awareness Program

- Started 1999
- Funded by the Royal Dutch Embassy 2005-2009
- Drama and workshops in schools, prisons, amongst sex workers, traditional healers and community gatherings
- NAAP creates 50 jobs for unemployed youths
- NAAP works in Mpumalanga Gauteng and Limpopo
- NAAP is a capacity builder for other AIDS Awareness Programs



February 2006

Ndlovu Medical Trust the ATC  
Concept

# Ndlovu Aids Awareness Program



February 2006

Ndlovu Medical Trust the ATC  
Concept

# Autonomous Treatment Centre ATC

Four components

- 12 hr clinic with pharmacy and X-ray
- 24 hr clinic with Obstetrics & HIV/AIDS inpatient care
- Laboratory
- Conference room/  
educational facility



# **Autonomous Treatment Centre**

## **ATC**

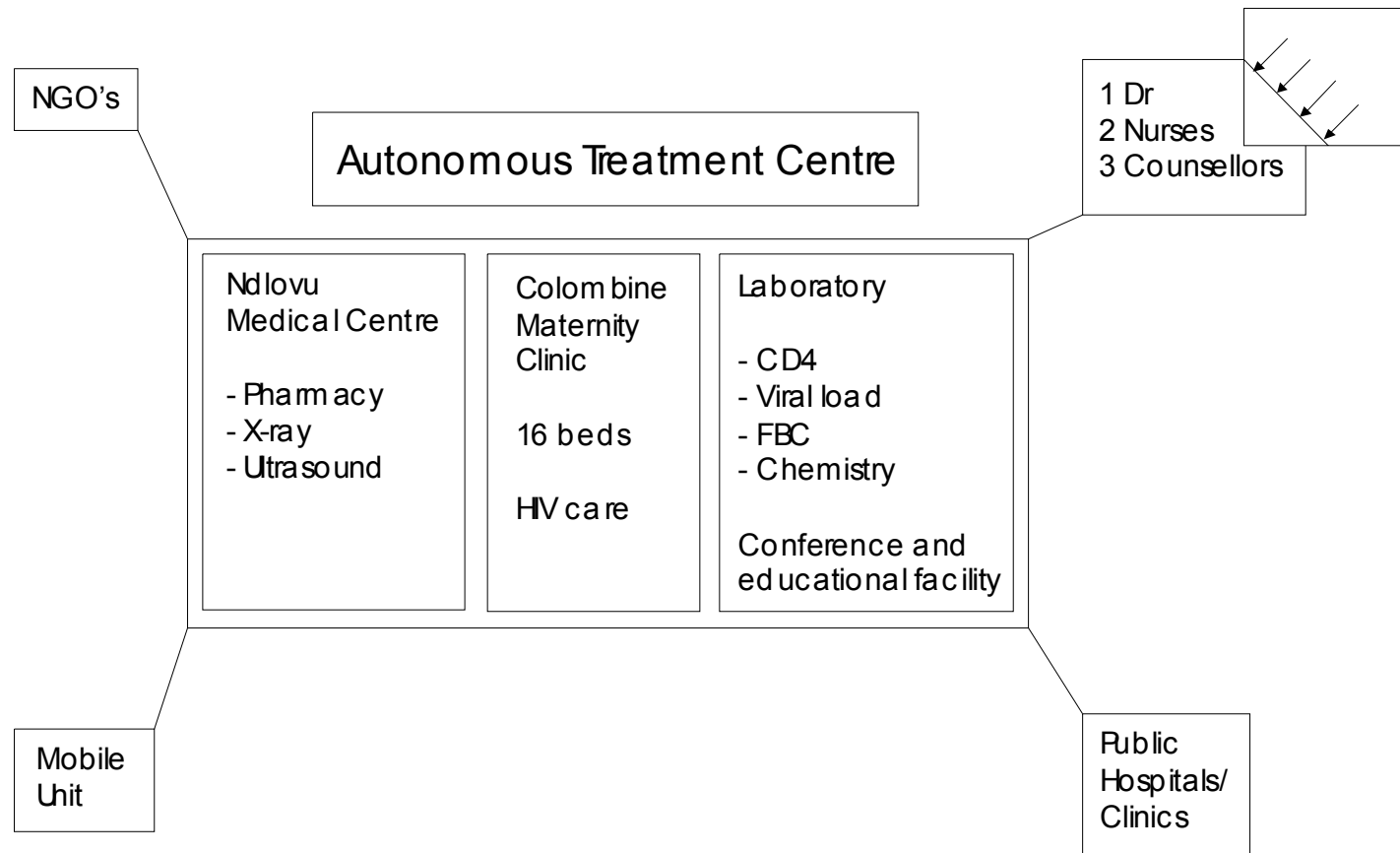


The Ndlovu ATC will have the function of:

- Care provider to the community
- Model for ARV roll-out in resource-poor settings
- Capacity builder public sector/NGOs



# Ndlovu Autonomous Treatment Centre



February 2006

Ndlovu Medical Trust the ATC  
Concept



## **ATC- services**

- ✓ Normal PHC-service
- ✓ VCT voluntary counseling & testing
- ✓ HAART clinical & laboratory monitoring
- ✓ PEP post exposure prophylaxis
- ✓ MTCT prevention
- ✓ Obstetrical & clinical admission facility

# **ATC-Ndlovu**

- ✓ Community Health Care Facility
- ✓ 16 bed facility, 10 beds obstetrics,  
2 delivery beds  
4 beds dedicated HIV care
- ✓ X-ray facility
- ✓ Ultrasound
- ✓ Pharmacy
- ✓ Laboratory
- ✓ Capacity ~1500 pts on ARVs



February 2006

Ndlovu Medical Trust the ATC  
Concept





# Mobile HIV Care

## Extension of ATC service to community

- Started 2005 for farm employees
- Two farms one Gauteng, one Mpumalanga
- Total 132 patients enrolled
  - 41 started on HAART
  - 28 compliant patients
  - 9 lost for follow up/transferred out
  - 4 died
- 2006 three new farms enrolled in MP
- Model for occupational HIV service agricultural sector



## MOBILE HIV/AIDS CLINIC



# **ATC-laboratory**

- ✓ Decentralize services
- ✓ Costly component
- ✓ Careful consideration
- ✓ Lacks in rural areas
- ✓ Long term: cost effective  
approx 50 % cost of outsourcing
- ✓ Can serve up to four thousand patients on ARVs



February 2006

Ndlovu Medical Trust the ATC  
Concept



# ATC laboratory

- Fixed structure as at our ATC
- Mobile unit: Togatainer

Gugulethu, Cape Town  
Gabarone, Botswana







February 2006

Ndlovu Medical Trust the ATC  
Concept

16



# **🎗 Implementation of HAART- PMTCT Project**

- ✓ One year of preparations
- ✓ Initiate an awareness program asap
- ✓ From approval to start of HAART: +/- 3 months (building laboratory, training and recruiting staff)
- ✓ Started Sept 2003 to enroll first patients

February 2006

Ndlovu Medical Trust  
Concept



# Number of persons on treatment December 2005

- ✓ 973 patients enrolled
- ✓ 488 adults (340 ♀, 148 ♂) started on HAART
  - ✓ 369 compliant
  - ✓ 89 died, 78% initial CD4<50
  - ✓ 30 lost for follow up
- ✓ 54 children (29 ♀, 25 ♂) started on
  - ✓ 43 compliant
  - ✓ 6 died
  - ✓ 5 lost for follow up
- ✓ 118 enrolled in PMTCT program
  - ✓ 77 babies born
  - ✓ Newborns HIV+ 0%



February 2006

Ndlovu Medical Trust the ATC  
Concept



# Training programs

ATC serves as a training facility for:

- ✓ Medical doctors
- ✓ Professional nurses
- ✓ Laboratory staff
- ✓ Counselors
- ✓ Staff other organisations





# Community involvement

- ✓ NAAP at schools, community events, clinics, workplaces
- ✓ Awareness of community through Radio Moutse
- ✓ Community meetings by prof. nurses
- ✓ Implementation DOT/FAST strategy
- ✓ Support groups at ATC and in community
- ✓ PLWA will be stimulated to talk about his/her HIV-status





# **Collaboration with health authorities**

- ✓ TB project in collaboration with by DoH
- ✓ Condoms supplied by DoH
- ✓ DoH sends doctors, prof nurses and counselors for training
- ✓ Treatment Action Campaign
- ✓ Love Life Home based care program
- ✓ No formal forum for HIV/AIDS care in our area functioning yet
- ✓ Mukhanyo, KwaSani, Waterberg Welfare Society

February 2006

Ndlovu Medical Trust the ATC  
Concept



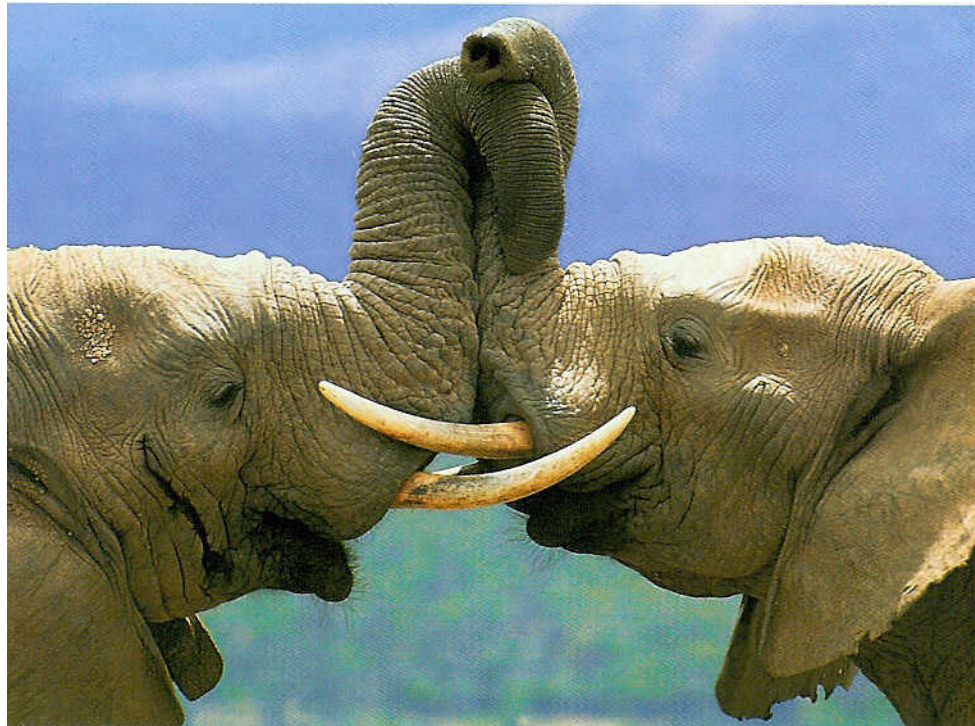


## Questions to answer

- ✓ Is the ATC a good concept for rural HIV care?
- ✓ Is it feasible to have an HIV laboratory in the rural areas?
- ✓ Complicated PMTCT protocols in poor resource areas: will it work?
- ✓ ATC as capacity builder: Is there a need?
- ✓ ATC is it a reproducible model?
- ✓ ATC as a start for PPP; Government, Corporate and NGO sector



# Winning is a team effort



February 2006

Ndlovu Medical Trust the ATC  
Concept

